

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELGAUM
CHOICE BASED CREDIT SYSTEM (CBCS)
SCHEME OF TEACHING AND EXAMINATION 2016-2017

M.Tech.: Transportation Engineering and Management (CTM)

I SEMESTER

Sl. No	Subject Code	Title	Teaching Hours /Week		Examination				Credit
			Theory	Practical/Field Work/Assignment	Duration	I.A. Marks	Theory/Practical Marks	Total Marks	
1	16CTM11	APPLIED STATISTICS	4	-	3	20	80	100	4
2	16CTM12	TRAFFIC ENGINEERING - I	4	-	3	20	80	100	4
3	16CTM13	TRANSPORT PLANNING	4	-	3	20	80	100	4
4	16CTM14	PAVEMENT MATERIAL CHARACTERIZATION	4	-	3	20	80	100	4
5	16CTM15X	ELECTIVE-1	3	-	3	20	80	100	3
6	16CTML16	ADVANCED PAVEMENT MATERIALS LABORATORY		3	3	20	80	100	2
7	16CTM17	SEMINAR -I	-	3	-	100	-	100	1
TOTAL			19	6	18	220	480	700	22

Elective -1	
16CTM151	URBAN PUBLIC TRANSPORT
16CTM152	TRANSPORTATION STRUCTURES
16CTM153	APPLIED SOIL MECHANICS
16CTM154	REMOTE SENSING AND GIS IN TRANSPORT PLANNING

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELGAUM
CHOICE BASED CREDIT SYSTEM (CBCS)
SCHEME OF TEACHING AND EXAMINATION 2016-2017

M.Tech.: Transportation Engineering and Management (CTM)

II SEMESTER

Sl. No	Subject Code	Title	Teaching Hours /Week		Examination				Credit
			Theor y	Practical/Fie ld Work/ Assignment	Duration	I.A. Marks	Theory/ Practical Marks	Total Marks	
1	16CTM21	PAVEMENT ANALYSIS AND DESIGN	4	-	3	20	80	100	4
2	16CTM22	TRAFFIC ENGINEERING - II	4	-	3	20	80	100	4
3	16CTM23	PAVEMENT CONSTRUCTION MAINTENANCE AND MANAGEMENT	4	-	3	20	80	100	4
4	16CTM24	TRANSPORTATION ECONOMICS	4	-	3	20	80	100	4
5	16 CTM 25X	ELECTIVE-2	3	-	3	20	80	100	3
6	16CTML26	TRANSPORTATION ENGINEERING LAB		3	3	20	80	100	2
7	16CTM27	SEMINAR - 2	-	3	-	100	-	100	1
TOTAL			19	6	18	220	480	700	22

Elective -2	
16CTM251	ROAD SAFETY AND MANAGEMENT
16CTM252	PAVEMENT MANAGEMENT SYSTEM
16CTM253	THEORIES OF TRAFFIC FLOW
16CTM254	TRANSPORTATION SYSTEMS

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELGAUM
CHOICE BASED CREDIT SYSTEM (CBCS)
SCHEME OF TEACHING AND EXAMINATION 2016-2017

M.Tech.: Transportation Engineering and Management (CTM)

III SEMESTER: Internship

Sl. No	Subject Code	Title	Teaching Hours /Week		Examination				Credit
			Theory	Practical/Field Work/Assignment	Duration	I.A. Marks	Theory/Practical Marks	Total Marks	
1	16CTM31	SEMINAR / PRESENTATION ON INTERNSHIP (AFTER 8 WEEKS FROM THE DATE OF COMMENCEMENT)	-	-	-	25	-	25	20
2	16CTM32	REPORT ON INTERNSHIP	-	-	-	50	-	50	
3	16CTM33	EVALUATION AND VIVA-VOCE OF INTERNSHIP	-	-	-	-	75	75	
4	16CTM34	EVALUATION OF PROJECT PHASE -1	-	-	-	25	-	25	1
TOTAL			-	-	-	100	75	175	21

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELGAUM
CHOICE BASED CREDIT SYSTEM (CBCS)
SCHEME OF TEACHING AND EXAMINATION 2016-2017

M.Tech.: Transportation Engineering and Management (CTM)

IV SEMESTER

Sl. No	Subject Code	Title	Teaching Hours /Week		Examination				Credit
			Theory	Practical/Field Work/ Assignment	Duration	I.A. Marks	Theory/ Practical Marks	Total Marks	
1	16CTM41	TRANSPORTATION INFRASTRUCTURE DESIGN	4	-	3	20	80	100	4
2	16CTM42X	ELECTIVE - 3	3	-	3	20	80	100	3
3	16CTM43	EVALUATION OF PROJECT PHASE -2	-	-	-	50	-	50	3
4	16CTM44	EVALUATION OF PROJECT AND VIVA-VOCE	-	-	3	-	100+100	200	10
TOTAL			-	-	6	60	75	450	20

Elective -3	
16CTM421	RURAL ROADS
16CTM422	ENVIRONMENTAL IMPACT ASSESSMENT OF TRANSPORTATION PROJECTS
16CTM423	INFRASTRUCTURE MANAGEMENT
16CTM424	INTELLIGENT TRANSPORTATION SYSTEMS

Note:

1. Project Phase-1: 6-week duration shall be carried out between 2nd and 3rd Semester vacation. Candidates in consultation with the guide shall carry out literature survey/ visit industries to finalize the topic of Project.

2. Project Phase-2: 16-week duration during 4th semester. Evaluation shall be done by the committee constituted comprising of HoD as Chairman, Guide and Senior faculty of the department.

3. Project Evaluation: Evaluation shall be taken up at the end of 4th semester. Project work evaluation and Viva-Voce examination shall conducted

4. Project evaluation:

- a. Internal Examiner shall carry out the evaluation for 100 marks.
- b. External Examiner shall carry out the evaluation for 100 marks.
- c. The average of marks allotted by the internal and external examiner shall be the final marks of the project evaluation.
- d. Viva-Voce examination of Project work shall be conducted jointly by Internal and External examiner for 100 marks.